

## DECLARATION FOR PATENT APPLICATION

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name;

I believe I am the original, first and sole inventor (if only one name is listed below), or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

### **$\beta$ -L-2'-Deoxy-Nucleosides for the Treatment of Hepatitis B Virus**

the specification of which (check one)

\_\_\_\_\_ is attached hereto  
  x   was filed on 8/10/99  
as application Serial No. 09/371,747  
\_\_\_\_\_ and was amended on:  
(if applicable)

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the patentability and examination of this application in accordance with Title 37, Code of Federal Regulations, § 1.56(a).

I hereby claim foreign priority benefits under Title 35, United States Code, § 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed.

Prior Foreign Application(s)

Priority  
Claimed

(Number)

(Country)

(Day/Month/Year Filed)

I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of the application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, § 1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

Application Serial No.	Filing Date	Status
60/096,110	August 10, 1998	pending
60/131,352	April 28, 1999	pending

As named inventor, I hereby appoint the following attorney(s) or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

Sherry M. Knowles, Reg. No. 33,052  
Jacqueline Haley, Reg. No. 41,457  
Curtis L. Doster, Reg. No. 41,714

Send Correspondence to: Sherry M. Knowles, Esq.  
King & Spalding  
191 Peachtree Street  
Atlanta, Georgia 30303-1763

Direct telephone calls to: Sherry M. Knowles (404) 572-3541

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole or first inventor Gilles Gosselin

Inventor's signature  Date August 20, 1999

Residence 82 Rue Calvin, 400 Avenue Paul Rimbaud, 34080 Montpellier France

Citizenship France

Post Office Address Same as above

Full name of second joint inventor Jean-Louis Imbach

Inventor's signature  Date August 20, 1999

Residence 1108 Reu las Sorbes, Impasse des Luquesop, 34000 Montpellier, France

Citizenship France

Post Office Address Same as above

Full name of third joint inventor Martin L. Bryant

Inventor's signature \_\_\_\_\_ Date \_\_\_\_\_

Residence 65 Hickory Lane, Carlisle, MA 01741

Citizenship U.S.A.

Post Office Address Same as above

Full name of fourth joint inventor \_\_\_\_\_

Inventor's signature \_\_\_\_\_ Date \_\_\_\_\_

Residence \_\_\_\_\_

Citizenship \_\_\_\_\_

Post Office Address Same as above

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Full name of sole or first inventor Gilles Gosselin

Inventor's signature \_\_\_\_\_ Date \_\_\_\_\_

Residence 82 Rue Calvin, 400 Avenue Paul Rimbaud, 34080 Montpellier France

Citizenship France

Post Office Address Same as above

Full name of second joint inventor Jean-Louis Imbach

Inventor's signature \_\_\_\_\_ Date \_\_\_\_\_

Residence 1108 Rue las Sorbes, Impasse des Luquesop, 34000 Montpellier, France

Citizenship France

Post Office Address Same as above

Full name of third joint inventor Martin L. Bryant

Inventor's signature Martin L. Bryant Date 9/3/99

Residence 65 Hickory Lane, Carlisle, MA 01741

Citizenship U.S.A.

Post Office Address Same as above

Full name of fourth joint inventor \_\_\_\_\_

Inventor's signature \_\_\_\_\_ Date \_\_\_\_\_

Residence \_\_\_\_\_

Citizenship \_\_\_\_\_

Post Office Address Same as above

Second Applicant:

Centre National Da La Recherche Scientifique  
3, Rue Michel-ange  
75794, Paris, cedex 16, France



Centre National Da La Recherche Scientifique  
3, Rue Michel-ange  
75794, Paris, cedex 16, France

## ASSIGNMENT

WHEREAS, WE, GILLES GOSSELIN, JEAN-LOUIS IMBACH, AND MARTIN BRYANT have invented certain improvements in "β-L-2'-Deoxy-Nucleosides for the Treatment of Hepatitis B" for which we have executed United States provisional application nos. 60/131,352 and 60/096,110 which were filed on April 28, 1999 and August 10, 1998 respectively; and U.S. Application No. 09/371,747 which was filed on August 10, 1999 and

WHEREAS, NOVIRIO PHARMACEUTICALS LIMITED, a Cayman Island corporation having an office at c/o Walker Secretaries, Walker House, Grand Cayman, Cayman Islands desires to purchase same;

NOW, THEREFORE, in consideration of the sum of Five Dollars (\$5.00) and other good and valuable consideration paid by NOVIRIO PHARMACEUTICALS, LIMITED, the receipt and sufficiency of which are hereby acknowledged, I, MARTIN BRYANT, have sold, assigned, transferred and conveyed and by these presents do hereby sell, assign, transfer and convey unto NOVIRIO PHARMACEUTICALS, LIMITED, in and for the United States and its territories and for foreign countries, the entire right, title and interest in and to said provisional application and said application for United States Letters Patent, in and to the invention therein set forth and in and to any patent which may issue on said provisional applications for United States Letters Patent or any application, reissue, renewal, division, continuation or continuation-in-part thereof; and I hereby bind myself, my heirs, legal representatives, administrators and assigns properly to execute without further consideration, any and all applications, petitions, oaths and assignments or other papers and instruments which may be necessary in order to carry into full force and effect the sale, assignment, transfer and conveyance hereby made or intended to be made.

IN WITNESS WHEREOF, I have hereunto set my hand and seal this 3 day of

September, 1999.

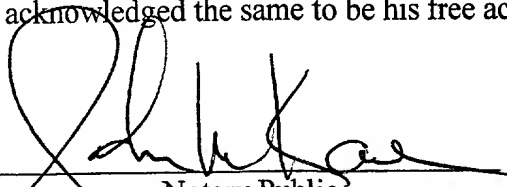
  
MARTIN BRYANT

STATE OF Massachusetts )

) ss.

COUNTY OF )

On this 3<sup>rd</sup> day of September, 1999, before me, a notary public, came MARTIN BRYANT, to me known and known to be the individual described in and who executed the foregoing assignment, and he duly acknowledged the same to be his free act and deed.

  
Notary Public

(SEAL)

My commission expires: 2/17/06

## ASSIGNMENT

WHEREAS, WE, GILLES GOSSELIN, JEAN-LOUIS IMBACH, AND MARTIN BRYANT have invented certain improvements in "β-L-2'-Deoxy-Nucleosides for the Treatment of Hepatitis B" for which we have executed United States provisional application nos. 60/131,352 and 60/096,110 which were filed on April 28, 1999 and August 10, 1998 respectively; and U.S. Application No. 09/371,747 which was filed on August 10, 1999 and

WHEREAS, Centre National Da La Recherche Scienrifique (CNRS), a public agency operating under the supervisory authority of France's Ministry of Research and Technology, located at 3, Rue Michel-ange 75794, Paris, cedex 16, France desires to purchase same;

NOW, THEREFORE, in consideration of the sum of Five Dollars (\$5.00) and other good and valuable consideration paid by Centre National Da La Recherche Scientifique , the receipt and sufficiency of which are hereby acknowledged, I, GILLES GOSSELIN, have sold, assigned, transferred and conveyed and by these presents do hereby sell, assign, transfer and convey unto Centre National Da La Recherche Scientifique , in and for the United States and its territories and for foreign countries, the entire right, title and interest in and to said provisional application and said application for United States Letters Patent, in and to the invention therein set forth and in and to any patent which may issue on said provisional applications for United States Letters Patent or any application, reissue, renewal, division, continuation or continuation-in-part thereof; and I hereby bind myself, my heirs, legal representatives, administrators and assigns properly to execute without further consideration, any and all applications, petitions, oaths and assignments or other papers and instruments which may be necessary in order to carry into full force and effect the sale, assignment, transfer and conveyance hereby made or intended to be made.

IN WITNESS WHEREOF, I have hereunto set my hand and seal this 20 day of

August, 1999.



GILLES GOSSELIN

On this 20 day of August, 1999, before me, a notary public, came Gilles Gosselet, to me known and known to be the individual described in and who executed the foregoing assignment, and he duly acknowledged the same to be his free act and deed.

Notary Public

My commission expires: \_\_\_\_\_

(SEAL)





## ASSIGNMENT

WHEREAS, WE, GILLES GOSSELIN, JEAN-LOUIS IMBACH, AND MARTIN BRYANT have invented certain improvements in "β-L-2'-Deoxy-Nucleosides for the Treatment of Hepatitis B" for which we have executed United States provisional application nos. 60/131,352 and 60/096,110 which were filed on April 28, 1999 and August 10, 1998 respectively; and U.S. Application No. 09/371,747 which was filed on August 10, 1999 and

WHEREAS, Centre National Da La Recherche Scientifique (CNRS) a public agency operating under the supervisory authority of France's Ministry of Research and Technology, located at 3, Rue Michel-ange 75794, Paris, cedex 16, France desires to purchase same;

NOW, THEREFORE, in consideration of the sum of Five Dollars (\$5.00) and other good and valuable consideration paid by Centre National Da La Recherche Scienrifique , the receipt and sufficiency of which are hereby acknowledged, I, JEAN-LOUIS IMBACH, have sold, assigned, transferred and conveyed and by these presents do hereby sell, assign, transfer and convey unto Centre National Da La Recherche Scientifique , in and for the United States and its territories and for foreign countries, the entire right, title and interest in and to said provisional application and said application for United States Letters Patent, in and to the invention therein set forth and in and to any patent which may issue on said provisional applications for United States Letters Patent or any application, reissue, renewal, division, continuation or continuation-in-part thereof; and I hereby bind myself, my heirs, legal representatives, administrators and assigns properly to execute without further consideration, any and all applications, petitions, oaths and assignments or other papers and instruments which may be necessary in order to carry into full force and effect the sale, assignment, transfer and conveyance hereby made or intended to be made.

to be made.

IN WITNESS WHEREOF, I have hereunto set my hand and seal this 20 day of

August, 1999.

  
\_\_\_\_\_  
JEAN-LOUIS IMBACH

On this 20 day of August, 1999, before me, a notary public, came Jean-Louis Imbach, to me known and known to be the individual described in and who executed the foregoing assignment, and he duly acknowledged the same to be his free act and deed.

\_\_\_\_\_  
Notary Public

(SEAL)

My commission expires: \_\_\_\_\_

